Owner's Manual

SETTING UP INSTRUCTIONS
PARTS LIST

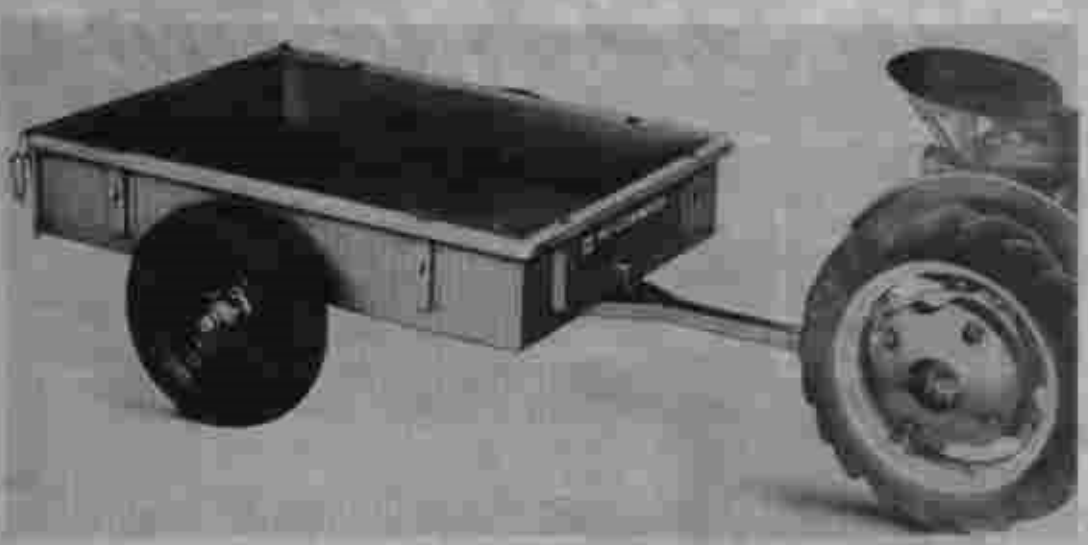
McCORMICK

(Also McCormick-Deering)

Cub Two-Wheel Farm Trailer

INTERNATIONAL HARVESTER COMPANY

180 North Michigan Ave. Chicago 1, Illinois, U.S.A.



Cub Two-Wheel Farm Trailer.

TO THE OWNER

The Cub Two-Wheel Farm Trailer is ruggedly constructed for general farm use. Its all-steel box, mounted on a strong A-frame, is built for heavy hauling of all types of materials over rough ground. The trailer rides on two disk-type wheels equipped with tapered roller bearings. Pneumatic tires on both wheels cushion the load.

The Cub trailer and Farmall Cub tractor provide the ideal working combination for many hauling jobs to be done on the average farm. The trailer is easily attached by a rigid pin hitch to any tractor drawbar.

The box of the Cub trailer is 4 feet wide, 6 feet long, and 12 inches deep. Two slots on each of the four sides of the box permit side boards to be installed for hauling livestock or piling high loads.

The dump-style box, locked by a spring release pin to the front of the A-frame, is hinged-attached to the axle. The box is set off-center so that the rear may be easily dropped for quick unloading of heavy material. The endgate at the rear of the box may be easily removed by withdrawing the hinge pin. The endgate may also be held level or locked upright in a closed position by means of two chains at the rear of the box.

The sturdy construction of the Cub trailer allows for maximum usage under the most difficult farm lot or field operating conditions. Its wide range of use makes it especially adaptable to nursery, truck gardening, poultry farming and many other types of operations.

SPECIFICATIONS

Body	All-steel box
Box dimensions	4 ft. wide, 6 ft. long, 12 in. deep
Wheels	Disk type, tapered roller bearings
Box style	Dump type mounting. Slots in sides for stakes
Hitch	Rigid pin to tractor drawbar
Endgate	Removable
Box lock	Spring release pin to A-frame
Tires	6.00-16 in. pneumatic
Overall length	9 ft., 6 in.
Overall width	6 ft.
Capacity (max)	2500 lbs.
Weight	524 lbs., less tires

INSTRUCTIONS FOR ADJUSTING AND OPERATING

GENERAL

See that your machine is properly set up and lubricated as instructed before being put to use.

Be sure all nuts are tight. Spread all cotters to keep them from falling out.

LUBRICATION

Remove the hubs once a year (or every 5000 miles) and pack the bearings with a good grade of lubricant. Make sure sand or grit is not allowed to get into the lubricant or on the bearings. When re-assembling draw up the spindle nuts snugly, then back off the nuts approximately one-quarter turn, or until the hubs turn freely. Then insert the spindle cotters. Replace the hub cap securely.

INSTRUCTIONS FOR SETTING UP

Remove all wires and arrange the parts conveniently.

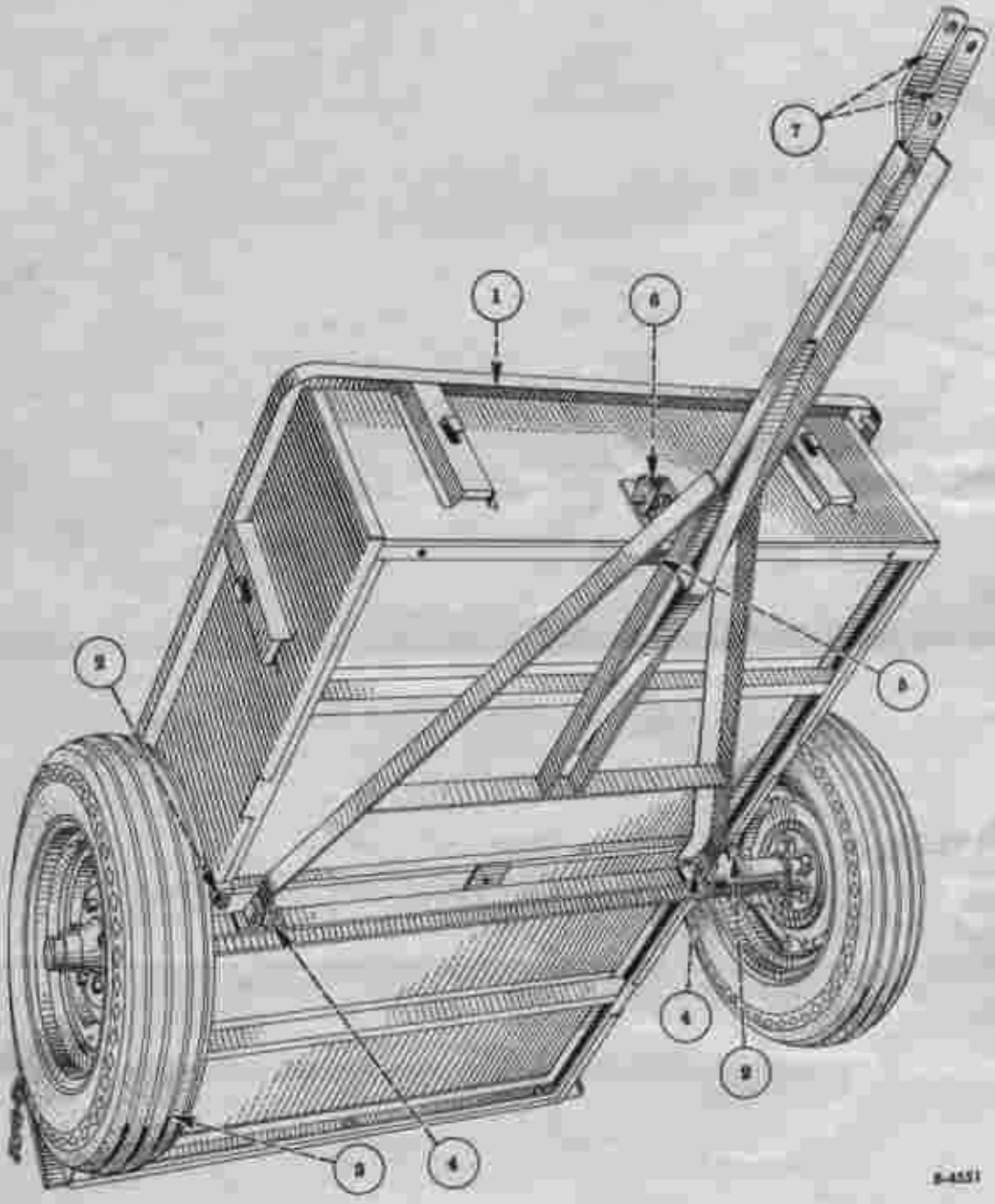
Lubricate all bearings and moving parts as you proceed, and see that they work freely.

Bolts must be used in the holes in which they are found, or in the parts to which they are attached, unless otherwise shown.

Shaded portions in the illustrations show the parts to be assembled; these must be placed on the machine in the order numbered.

Wherever the terms "left" or "right" are used, it should be understood to mean from a position behind and facing the machine.

We reserve the right to make changes or improvements in the design or construction of any part without incurring the obligation to install such changes on any machine previously delivered.



Illust. 1

See Illusts. 1 and 2.

1. Place the trailer box on wooden horses or suitable props.

2. Attach the axle to the trailer box with 5/8 x 1-1/2" cap screws.

3. Attach the wheels to the hubs.

4. Remove the props and attach the drawbar to the axle with a 3/4 x 2" headed pin, a 13/16" I.D. x 1-1/2" O.D. x 1/8" thick washer and a 1/4 x 1-1/2" cotter pin.

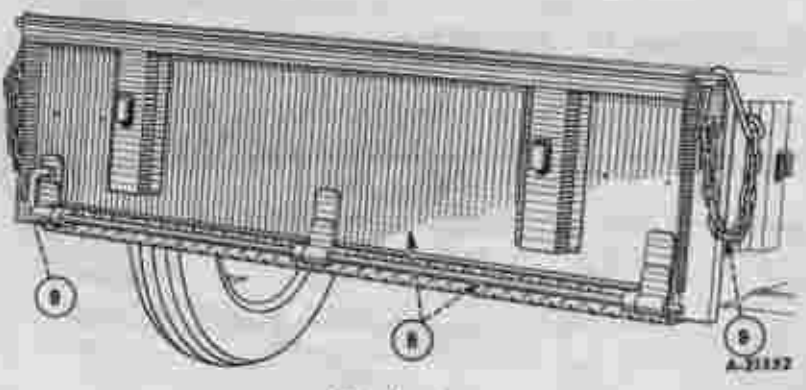
5. Attach the bumper pad to the trailer box with a 1/4 x 1" machine bolt.

6. Attach the locking device to the trailer box with 3/8 x 1" and 1/2 x 1" cap screws; place a 17/32" I.D. x 1-1/16" O.D. x 13 ga. washer on the 1/2" cap screw against the inside of the trailer box.

7. Attach the hitch straps to the drawbar with 1/2 x 1-3/4" cap screws.

8. Secure the tailgate to the trailer body with the tailgate hinge rod and a 3/32 x 1-1/4" cotter pin. *See Illust. 2.*

9. Attach each tailgate chain to the trailer box with a 5/16 x 1" cap screw and a 11/32" I.D. x 11/16" O.D. x 16 ga. washer.



Illust. 2

Farm Accidents can be prevented with your help

No accident-prevention program can be successful without the whole-hearted co-operation of the person who is directly responsible for the operation of equipment.

To read accident reports from all over the country is to be convinced that a large number of accidents can be prevented only by the operator anticipating the result before the accident is caused and doing something about it. No power-driven equipment, whether it be transportation or processing, whether it be on the highway, in the harvest field or in the industrial plant, can be safer than the man who is at the controls. If farm accidents are to be prevented—and they can be prevented—it will be done by the operators who accept a full measure of their responsibility.

It is true that the designer, the manufacturer, the safety engineer can help; and they will help, but their combined efforts can be wiped out by a single careless act of the operator.

It is said that ***"the best kind of a safety device is a careful operator."*** We ask you to be that kind of an operator.

NATIONAL SAFETY COUNCIL

PARTS LIST AND ILLUSTRATIONS

The following pages contain parts lists and "exploded" view illustrations of the various units disassembled so that parts wanted may be readily located. Reference numbers only are shown in the illustrations. To avoid errors and delays when ordering parts, always use the regular "Part Number" shown with the "Ref. No.". Do not use reference numbers when ordering parts.

WHEN THE PART NUMBER IS NOT KNOWN: Use the "Index to Units" below and refer to the illustration of the unit on which the part is used. The illustrations show reference numbers which appear in the accompanying reference list. The reference list contains the part number with a "noun first" or basic description.

WHEN THE PART NUMBER IS KNOWN: Use the "Numerical Index" at the back of the manual. This index shows the page number on which the part is listed. The reference number, which is listed with the part number, may be used for referring to the illustration.

Do not order from the illustration only: refer to the list also.

Attaching parts such as bolts, cap screws, lock washers, nuts, cotter pins, etc. are listed beneath and indented from the part they attach. Attaching parts must be ordered separately as they are not furnished with the part they attach.

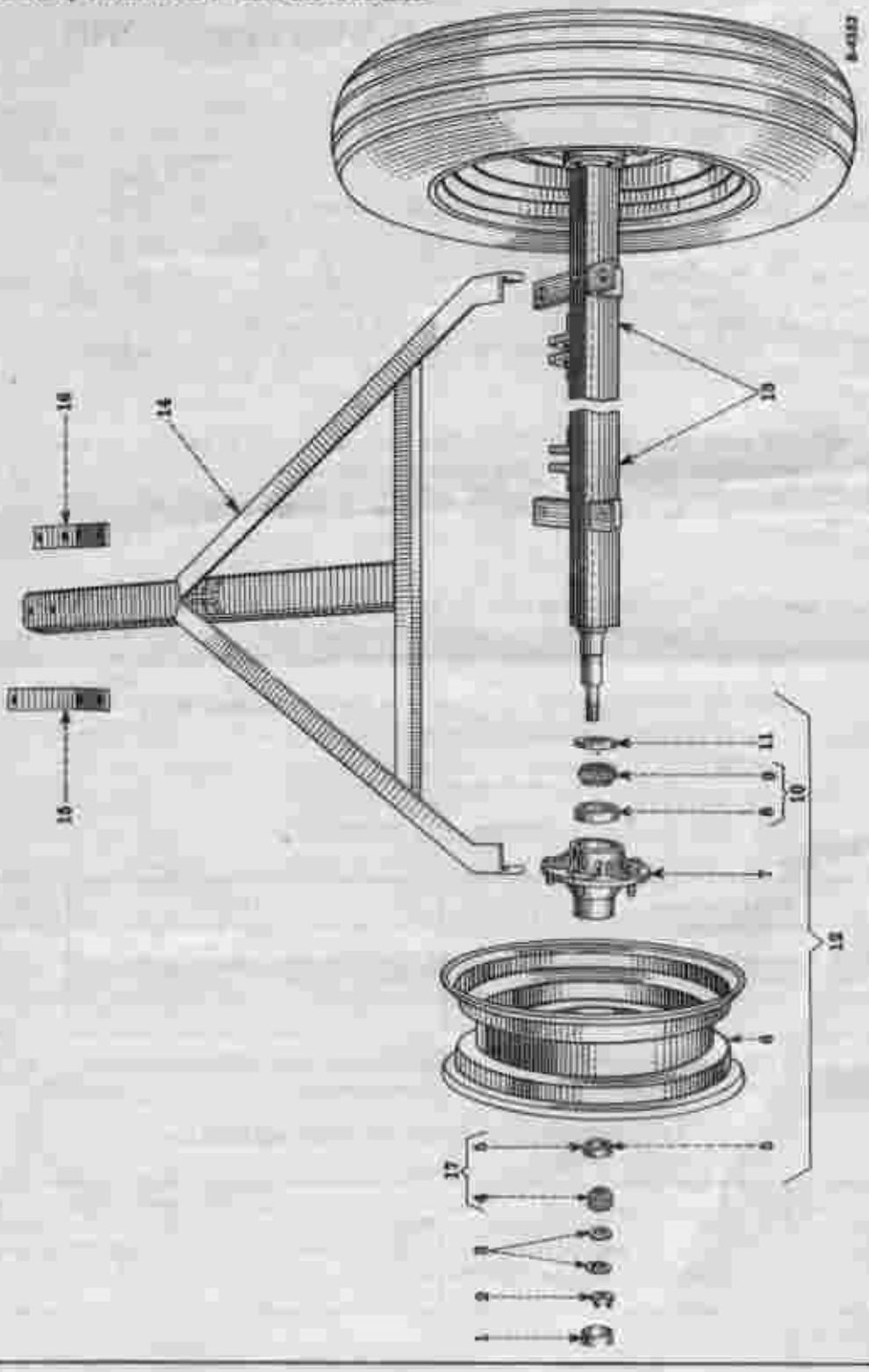
INDEX TO UNITS

Description	Page	Description	Page
Axle	8, 9	Tailgate	10, 11
Hitch Frame	8, 9	Trailer Box	10, 11
Locking Bracket	10, 11	Wheels	8, 9

ABBREVIATIONS USED IN THIS MANUAL

ga.	gauge	NF	National Fine Thread
hex.	hexagon	No.	number
I.D.	inside diameter	O.D.	outside diameter
NC	National Coarse Thread	w/	with

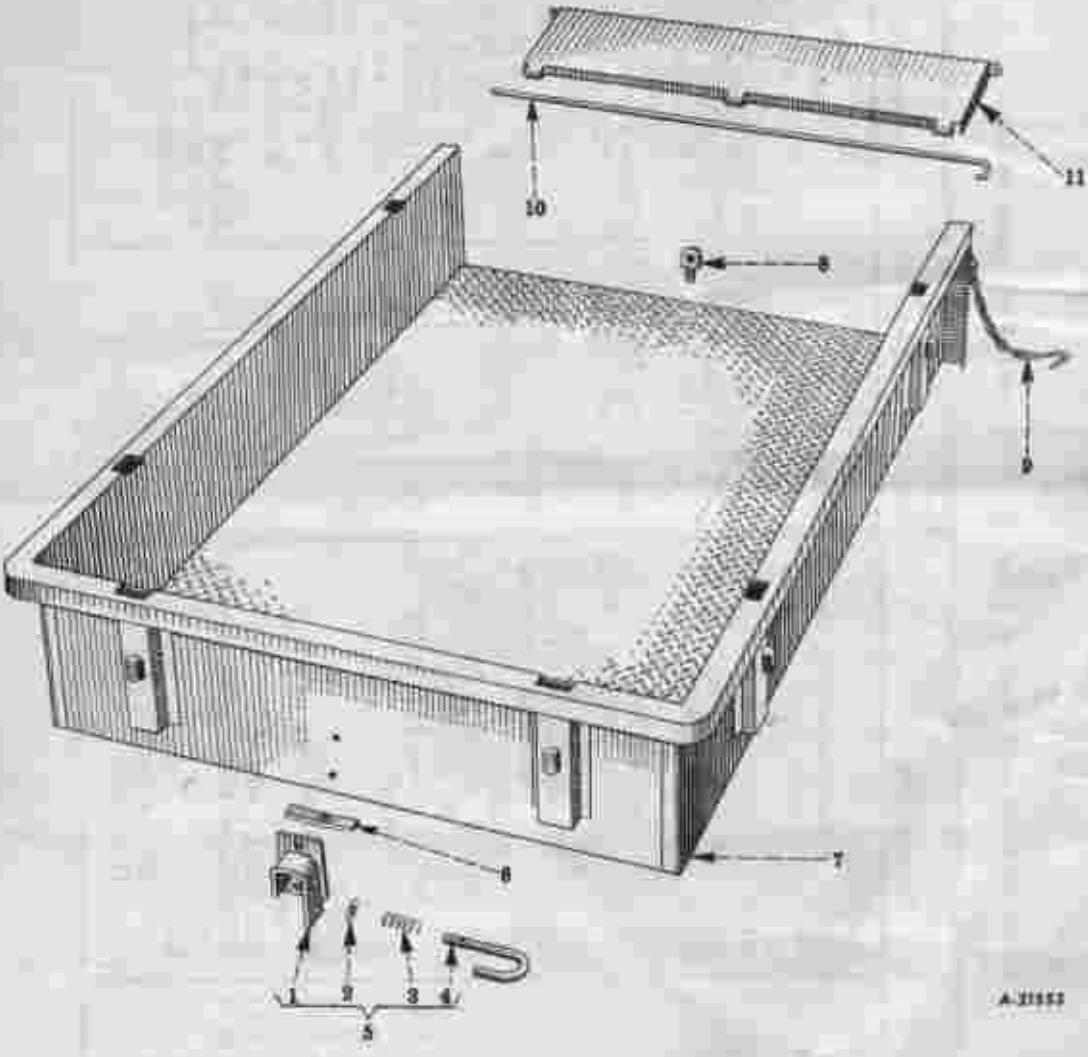
WHEELS, AXLE AND HITCH FRAME



Index to Reference Numbers shown in illustration on opposite page.

Ref. No.	Part Number	Description
1	453 283 R1	CAP, hub.
2	102 651	Follows Reference No. 13.
3	453 284 R1	WASHER, axle.
4	M 32 950	CONE.
5	M 32 951	CUP.
6	453 275 R91	DISC and RIM, wheel.
7	453 276 R91	HUB, wheel, assembly. (composed of:
		1 - M 32 951 CUP
		1 - 453 277 R1 HUB
		1 - 453 278 R91 BEARING, inner
		1 - 453 280 R91 OIL SEAL,
	453 281 R1	BOLT, wheel, 1/2-20NF x 1-3/8" (5 used).
	453 282 R1	NUT, cone, 1/2-20NF (5 used).
8	54 628 H	CUP.
9	453 279 R91	CONE.
10	453 278 R91	BEARING, wheel, inner assembly.
11	453 280 R91	OIL SEAL, wheel.
12	453 274 R91	WHEEL, w/HUB (less tire and tube).
13	453 273 R91	AXLE.
	103 397	PIN, cotter, 5/32 x 1-1/4" (2 used).
13 Cont.	220 085	NUT, hex., 5/8-11NC (4 used).
	102 651	NUT, hex-slotted, 3/4-16NC (2 used).
	453 301 R1	SCREW, cap, 5/8-11NC x 1-1/2" (4 used).
	121 574	WASHER, lock, 5/8" (4 used).
14	453 285 R91	FRAME, hitch.
	453 294 R1	PIN, connecting, hitch frame, 3/4 x 2" (2 used).
	103 420	PIN, cotter, 1/4 x 1-1/2" (2 used).
	131 017	WASHER, plain, 13/16" I.D. x 1-1/2" O.D. x 1/8" thick (2 used).
15	453 286 R1	STRAP, hitch, upper.
	220 073	NUT, hex., 1/2-13NC (2 used).
	180 179	SCREW, cap, 1/2-13NC x 1-3/4" (2 used).
	120 384	WASHER, lock, 1/2" (2 used).
16	453 287 R1	STRAP, hitch, lower.
17	M 32 949	BEARING, wheel, outer, assembly.

TRAILER BOX, LOCKING BRACKET AND TAILGATE



TRAILER BOX, LOCKING BRACKET AND TAILGATE - Continued

Index to Reference Numbers shown in illustration on opposite page.

Ref. No.	Part Number	Description
1	453 289 R91	BRACKET, latch, body.
	220 071	NUT, hex., 3/8-16NC.
	220 073	NUT, hex., 1/2-13NC.
	180 122	SCREW, cap, 3/8-16NC x 1".
	180 173	SCREW, cap, 1/2-13NC x 1".
	120 382	WASHER, lock, 3/8".
	120 384	WASHER, lock, 1/2".
	120 396	WASHER, plain, 17/32" I.D. x 1-1/16" O.D. x 13 ga.
2	103 345	WASHER, plain, 21/32" I.D. x 1-5/16" O.D. x 13 ga.
3	453 291 R1	SPRING, locking pin.
4	453 290 R1	PIN, locking.
	113 386	PIN, cotter, 1/8 x 1-1/4".
5	453 288 R91	BRACKET, latch, body, assembly.
6	453 293 R1	PAD, bumper.
	13 253 R1	BOLT, machine, 1/4-20NC x 1".
	220 069	NUT, hex., 1/4-20NC.
	120 380	WASHER, lock, 1/4".
7	453 292 R91	BOX, trailer.
8	453 297 R1	HOLDER, tailgate.
	120 371	NUT, hex., 1/2-20NF.
	120 384	WASHER, lock, 1/2".
9	453 298 R91	CHAIN, tailgate, w/HOOK.
	134 556	NUT, hex., 5/16-18NC.
	180 079	SCREW, cap, 5/16-18NC x 1".
	120 214	WASHER, lock, 5/16".
	120 393	WASHER, plain, 11/32" I.D. x 11/16" O.D. x 16 ga.
10	453 296 R1	ROD, hinge, tailgate.
	119 120	PIN, cotter, 3/32 x 1-1/4".
11	453 295 R91	TAILGATE.

Always Use IH Parts

The finest engineering skill and the most advanced manufacturing methods go into all International Harvester products. Each part is built to our own high manufacturing standards. These are important things to remember when wear and tear make new parts necessary.

IH parts retain and continue the original performance you get when you choose International Harvester quality products. When replacing parts, don't handicap your equipment. For your protection, be sure to use IH SERVICE PARTS.

International Harvester dealers' bins are well stocked with IH parts. These parts departments are well-equipped service stations staffed by factory-trained servicemen. Dealers are backed in every case by the full facilities of a nearby International Harvester District Office.

When selecting new farm operating equipment, keep in mind the protective service rendered by the International Harvester dealer in your community.

1 005 747 R2. 6-1-49—3M. (Domestic)